

a2  
cont.

shear stresses are superimposed on normal pressures. When high shear stresses are present, capillary blood flow has been shown to be occluded at normal pressures only half as great as what are required to occlude flow in the absence of shear stresses and strains.

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Please replace the paragraph beginning at Page 4, Line 4 and ending at Page 4, line 12 with the following paragraph:

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a3

Synthetic gel socket liners are available, and these are generally in the range of 1/8 inch to 5/16 inch thick. The liner cover tends to stick to the skin and other materials in contact with it, so that it does not act as a friction reducer, but does provide cushioning and accommodates small amplitude shear motions without much resistance. The effectiveness of a gel liner is dependent on its thickness, and as it becomes thicker, its weight and bulk are deterrents.

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Please replace the paragraph beginning at Page 5, Line 22 and ending at Page 5, line 29 with the following paragraph:

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a4

Preferably, the low friction layer is a thin film material made of polytetrafluoroethylene (PTFE). The PTFE layer is preferably bonded to a fabric layer of a somewhat elastic, flexible material such as Lycra or a Lycra blend. The exposed side of the fabric is covered with a pressure adhesive and a release paper is on top of the adhesive.

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IN THE CLAIMS

Please cancel claims 1-12.